Index to Volume XIX

Author Index

ADAMS, WM. MANSFIELD, and AUGUSTINE S. FURUMOTO:
A Seismic Refraction Study of the Koolau Volcanic Plug, 296–305

ANWARI DILMY:
Pioneer Plants Found One Year after the 1963 Eruption of Agung in Bali, 498–502

ARAI, MARY NEEDLER:
A New Species of *Pachycerianthus*, with a Discussion of the Genus and an Appended Glossary, 205–218

ARNOLD, B. C.:
Structure and Growth of Mite-induced Galls of *Hoheria sexstylosa* Col., 502–506

BELSHÉ, JOHN C.:
Magnetic Studies of Rocks and Sediments obtained by Deep Drilling, 393–396

BERGQUIST, PATRICIA R.:
The Sponges of the Palau Islands, I, 123–204

BOSCH, H. F.:
A Gastropod Parasite of Solitary Corals in Hawaii, 267–268

BROWNLIE, G.:
Chromosome Numbers in Some Pacific Pteridophyta, 493–497
The Geographical Affinities of the South Pacific Island Fern Floras, 219–223

CHOAT, J. H.:
Sexual Dimorphism in the Labrid Fish *Pseudolabrus celidotus* (Bloch and Schneider) 1801, 451–457

CUTLER, EDWARD B.:
Pogonophora from the Eastern Tropical Pacific, including Two New Species of *Siboglinum*, 422–426

FURUMOTO, AUGUSTINE S.:
A Gravity Survey of the Island of Kahoolawe, Hawaii, 349

FURUMOTO, AUGUSTINE S., NOEL J. THOMPSON, and GEORGE P. WOOLLARD:
The Structure of Koolau Volcano from Seismic Refraction Studies, 306–314

FURUMOTO, AUGUSTINE S., and GEORGE P. WOOLLARD:
Seismic Refraction Studies of the Crustal Structure of the Hawaiian Archipelago, 315–319

GILBERT, WILLIAM J.:
Contribution to the Marine Chlorophyta of Hawaii, II. Additional Records, 482–492

GRIGG, RICHARD W.:
Ecological Studies of Black Coral in Hawaii, 244–260

HOTCHKISS, ARLAND:
Chromosome Numbers in Characeae from the South Pacific, 31–37

KINOSHITA, W. T.:
A Gravity Survey of the Island of Hawaii, 339–340

KINOSHITA, W. T., and R. T. OKAMURA:
A Gravity Survey of the Island of Maui, Hawaii, 341–342

KRIVOY, HAROLD L.:
A Gravity Survey of the Island of Niihau, Hawaii, 359–360

KRIVOY, HAROLD L., MELVILLE BAKER, JR., and EUGENE E. MOE:
A Reconnaissance Gravity Survey of the Island of Kauai, Hawaii, 354–358

KRIVOY, HAROLD L., and MICHAEL P. LANE:
A Preliminary Gravity Survey of the Island of Lanai, Hawaii, 346–348

KROENKE, LOREN W.:
Seismic Reflection Studies of Sediment Thickness Around the Hawaiian Ridge, 335–338

KROENKE, LOREN W., and GEORGE P. WOOLLARD:
Gravity Investigations on the Leeward Islands of the Hawaiian Ridge and Johnston Island, 361–366

MACDONALD, GORDON A.:
Hawaiian Calderas, 320–334
The Lithologic Constitution of the Crust and Mantle in the Hawaiian Area, 285–286

MACHESKY, L. F.:
Gravity Relations in American Samoa and the Society Islands, 367–373

MALAHOFF, ALEXANDER, and WILLIAM E. STRANGE:
The Paleomagnetic Significance of Aeromagnetic Surveys of the Hawaiian Islands, 390–392

MANGHNANI, MURLI H., and GEORGE P. WOOLLARD:
Ultrasonic Velocities and Related Elastic Properties of Hawaiian Basaltic Rocks, 291–295

MOORE, JAMES G., and WAYNE U. AULT:
Historic Littoral Cones in Hawaii, 3–11

MOORE, JAMES G., and HAROLD L. KRIVOY:
A Reconnaissance Gravity Survey of the Island of Molokai, Hawaii, 343–345

NAUGHTON, JOHN J., and I. LYNUS BARNES:
Geochemical Studies of Hawaiian Rocks Related to the Study of the Upper Mantle, 287–290

PEARCY, WILLIAM G.:
Species Composition and Distribution of Pelagic Cephalopods from the Pacific Ocean off Oregon, 261–266

PEQUEGNAT, LINDA HAITHCOCK:
The Bathypelagic Mysid *Gnathophausia* (Crustacea) and its Distribution in the Eastern Pacific Ocean, 399–421

PEREYRA, WALTER T.:
New Records and Observations on the Flapjack Devilfish, *Opisthoteuthis californiana* Berry, 427–441

ROSE, JOHN C., and JOHN C. BELSHÉ:
Gravity and Magnetic Fields over the Proposed Moho Hole Site North of Maui, 374–380

ST. JOHN, HAROLD:
Revision of the Genus *Pandanus* Stickman.
Part 17. Species, Mostly New, in Borneo, Cambodia, and Vietnam, 96–112
Part 18. *Pandanus* of Christmas Island, Indian Ocean, and of the Anamba Islands, Indonesia, 113–119
Part 19. Additional Malayan Species of *Pandanus*, 224–237
Part 20. New Species from India and Thailand, 523–538

STOREY, W. B.:
The Ternifolia Group of *Macadamia* Species, 507–514

STRANGE, WILLIAM E., L. F. MACHESKY, and GEORGE P. WOOLLARD:
A Gravity Survey of the Island of Oahu, Hawaii, 350–353

STRANGE, WILLIAM E., GEORGE P. WOOLLARD, and JOHN C. ROSE:
An Analysis of the Gravity Field over the Hawaiian Islands in Terms of Crustal Structure, 381–389

THOMAS, CHARLES W.:
On Populations in Antarctic Meltwater Pools, 515–521

TOMICH, P. QUENTIN:
Weight Variation in Adrenal Glands in the Mongoose in Hawaii, 238–243

TOMLINSON, P. B.:
Study of Stomatal Structure in Pandanaceae, 38–54

WILBUR, ROBERT L.:
Nomenclatural Notes on Hawaiian Myrsinaceae, 522

WOOD, R. D.:
The Characeae of Fiji, 12–30

WOOLLARD, GEORGE P.:
Problems of the Upper Mantle and Hawaii as a Site for the Moho Hole, 271–284

YAMAGUTI, SATYU:
New Digenetic Trematodes from Hawaiian Fishes, I, 458–481
New Monogenetic Trematodes from Hawaiian Fishes, I, 55–95

YOSHIDA, HOWARD O.:
New Pacific Records of Juvenile Albacore *Thunnus alalunga* (Bonnaterre) from Stomach Contents, 442–450

Subject Index

adrenal glands of mongoose, weight variation in, 238–243
aeromagnetic surveys of Hawaiian Islands, paleomagnetic significance of, 390–392
Agung, eruption of, 498–501
albacore, juvenile, new records of, 442–450
American Samoa, gravity relations in, 367–373
analysis of gravity field over Hawaiian Islands, 381–389
Antarctic meltwater, populations in, 515–521

Bali, eruption of Agung, in 1963, 498–501
bathypelagic mysid, 399–421
black coral, ecology of, 244–260

calderas, Hawaiian, 320–334
Characeae of Fiji, 12–30
Characeae from South Pacific, chromosome numbers in, 31–37
chromosome numbers in Characeae from South Pacific, 31–37
chromosome numbers in Pacific Pteridophyta, 493–497
crust and mantle, lithologic constitution of, 285–286
crustal structure of Hawaiian Archipelago, 315–319

digenetic trematodes from Hawaiian fishes, 458–481

ecology of black coral in Hawaii, 244–260

fern floras of South Pacific islands, 219–223
flapjack devilfish, observations on, 427–441

galls of *Hoberia sexstylosa*, 502–506
gastropod parasite of solitary corals in Hawaii, 267–268
geochemical studies of Hawaiian rocks, 287–290
geographical affinities of South Pacific island fern floras, 219–223
Gnathophausia, distribution of, 399–421
gravity and magnetic fields over proposed Moho Hole site, 374–380
gravity investigations on Leeward Islands of the Hawaiian Ridge and Johnston Island, 361–366
gravity relations in American Samoa and the Society Islands, 367–373
gravity survey of Hawaii, 339–340
gravity survey of Kahoolawe, 349
gravity survey of Kauai, 354–358
gravity survey of Lanai, 346–348
gravity survey of Maui, 341–342
gravity survey of Molokai, 343–345
gravity survey of Niihau, 359–360
gravity survey of Oahu, 350–353

Hawaii as a site for the Moho Hole, 271–284
Hawaii, gravity survey of, 339–340
Hawaii, marine chlorophyta of, 482–492
Hawaiian Archipelago, crustal structure of, 315–319
Hawaiian basaltic rocks, ultrasonic velocities and elastic properties of, 291–295
Hawaiian calderas, 320–334
Hawaiian fishes, digenetic trematodes from, 458–481
Hawaiian fishes, monogenetic trematodes from, 55–95
Hawaiian Islands, analysis of gravity field over, 381–389
Hawaiian Myrsinaceae, nomenclature of, 522
Hawaiian Ridge, sediment thickness around, 335–338
historic littoral cones in Hawaii, 3–11
Hoberia sexstylosa, mite-induced galls of, 502–506

Johnston Island, gravity investigations on, 361–366

Kahoolawe, gravity survey of, 349
Kauai, gravity survey of, 354–358
Koolau volcanic plug, seismic refraction study of, 296–305
Koolau volcano, structure of, 306–314

Lanai, gravity survey of, 346–348
Leeward Islands of the Hawaiian Ridge, gravity investigations on, 361–366
lithologic constitution of the crust and mantle in the Hawaiian area, 285–286
littoral cones in Hawaii, 3–11

Macadamia, the Ternifolia group of, 507–514
magnetic studies of rocks and sediments obtained by deep drilling, 393–396
marine chlorophyta of Hawaii, 482–492
Maui, gravity survey of, 341–342
mite-induced galls of *Hoberia sexstylosa*, 502–506
Moho Hole, Hawaii as a site for, 271–285
Moho Hole site, gravity and magnetic fields over, 374–380
Molokai, gravity survey of, 343–345
mongoose, adrenal glands of, 238–243
monogenetic trematodes from Hawaiian fishes, 55–95

new digenetic trematodes from Hawaiian fishes, I, 458– 481
new monogenetic trematodes from Hawaiian fishes, I, 55–95
new species of *Pachycerianthus*, 205–218
Niihau, gravity survey of, 359–360
nomenclature of Myrsinaceae, 522

Oahu, gravity survey of, 350–353
Opisthoteuthis californiana, 427–441

Pachycerianthus: discussion of the genus, with a glossary, 205–218
Pacific Pteridophyta, chromosome numbers in, 493–497
Palau Is., sponges of, 123–204
paleomagnetic significance of aeromagnetic surveys of Hawaiian Islands, 390–392
Pandanaceae, stomatal structure in, 38–54
Pandanus, of Anamba Islands, 113–119
from Borneo, Cambodia, and Vietnam, 96–112
of Christmas Island, 113–119
from India and Thailand, 523–538
of Malaya, 224-237

Pandanus, revision of, Part 17, 96–112
Part 18, 113–119
Part 19, 224–237
Part 20, 523–538
pelagic cephalopods from off Oregon, 261–266
pioneer plants after eruption of Agung, 498–501
Pogonophora from eastern Pacific, 422–426
populations in Antarctic meltwater pools, 515–521
problems of the upper mantle and the Moho Hole, 271–284
Pseudolabrus celidotus, sexual dimorphism in, 451–457

Revision of the genus *Pandanus*, Part 17, 96–112
Part 18, 113–119
Part 19, 224–237
Part 20, 523-538
rocks obtained by deep drilling, magnetic studies of, 393–396

sediments obtained by deep drilling, magnetic studies of, 393–396
sediment thickness around the Hawaiian Ridge, 335–338
seismic reflection studies of sediment thickness around the Hawaiian Ridge, 335–338
seismic refraction studies of crustal structure of Hawaiian Archipelago, 315–319
seismic refraction study of Koolau volcanic plug, 296–305
sexual dimorphism in *Pseudolabrus celidotus*, 451–457
Siboglinum, new species of, 422–426
Society Islands, gravity relations in, 367–373
special issue: the Proposed Moho Hole, 269–396
species composition and distribution of pelagic cephalopods from the Pacific Ocean off Oregon, 261–266
sponges of the Palau Is., Part 1, 123–204
stomatal structure in Pandanaceae, 38–54
structure of Koolau volcano, 306–314

Ternifolia group of *Macadamia*, 507–514
Thunnus alalunga, new records of, 442–450
trematodes from Hawaiian fishes, 458–481

ultrasonic velocities and elastic properties of Hawaiian basaltic rocks, 291–295
upper mantle, and geochemical study of Hawaiian rocks, 287–290

weight variation in adrenal glands of the mongoose in Hawaii, 238-243